# PATENT ABSTRACTS OF JAPAN

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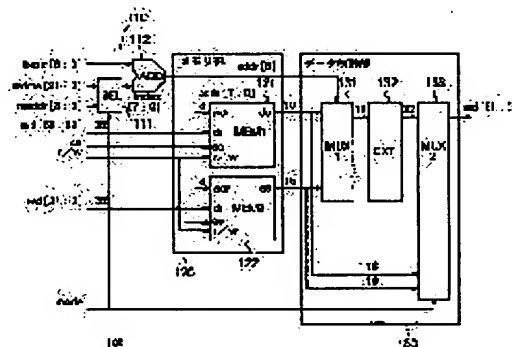| (21)Application number : 09-337103 | (71)Applicant : SONY CORP |
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## (54) DATA CONVERSION DEVICE AND IMAGE GENERATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a data conversion device capable of properly change accuracy of an index table for one entry and the number of entries if necessary, and properly converting real data from index data in a desired form suitable for application.

SOLUTION: The index data (index) is generated by a selector 111 based on inputted data, the index data is added to a base address (base) by an adder 112, a memory address (addr) is generated, lower 8 bit addr [7:0] of the generated address (ddr) is impressed on a first memory 121 and a second memory 122 and the real data is read. When the accuracy is 32 bit, 32-bit real color data is outputted, therefore, the real color data is supplied to a texture mapping processing part as it is via a second multiplexer 133, when the accuracy is 16 bit, the read data is outputted to a data extension device 132 and outputted after it is extended to the 32-bit real color data.

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